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### ABSTRACT

AS The wet-gas desulfurizing apparatus according to this invention removes the oxides of sulfur, such as  $\text{SO}_2$ , from combustion exhaust gas by scrubbing the combustion exhaust gas with an absorption liquid which contains an alkali. It includes: 1) a branch pipe to circulate the absorption liquid which is inserted into a collection tank, of which the end discharges the absorption liquid into the collection tank, and the branch pipe having an internal diameter of  $D$ ; and 2) an air-blowing pipe in inject air into the branch pipe, of which the end is inserted at an insertion point located between  $3D$  and  $10D$  from the discharge end of the branch pipe. The end of the air-blowing pipe is inserted into the branch pipe, and has an appearance of a semicircular trough facing downstream toward the collection tank.

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